



Form PTO-1449 (Rev. 6-98)

U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No.
48452-048Serial No.
09/704,050Applicant
Robert S. Phillips et al.Filing Date
November 1, 2000Group Art Unit
2154INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number							Date	Name	Class	Sub Class
<i>act</i>	4	0	9	6	5	6	7	6/20/78	Millard et al.		
<i>↑</i>	4	4	2	6	6	8	8	1/17/84	Moxley		
	4	7	1	0	9	2	6	12/1/87	Brown et al.		
	4	8	6	8	7	3	8	9/19/89	Kish et al.		
	4	9	1	4	5	7	1	4/3/90	Baratz et al.		
	4	9	3	4	7	6	4	6/19/90	Leitermann et al.		
	5	0	5	5	9	9	9	10/8/91	Frank et al.		
	5	0	6	7	0	7	1	11/19/91	Schanin et al.		
	5	0	7	7	7	3	6	12/31/91	Dunphy, Jr., et al.		
	5	1	1	7	3	5	0	5/26/92	Parrish et al.		
	5	1	1	9	4	8	1	6/2/92	Frank et al.		
	5	2	2	6	0	3	9	7/6/93	Frank et al.		
	5	2	3	7	6	7	3	8/17/93	Orbits et al.		
	5	2	4	5	5	6	3	9/14/93	Hauck, Jr.		
	5	2	4	7	6	7	3	9/21/93	Costa et al.		
<i>✓</i>	5	2	5	1	3	0	8	10/5/93	Frank et al.		
<i>act</i>	5	2	6	9	0	1	3	12/7/93	Abramson et al.		

Examiner

Alan Jan

Date Considered

6/8/05

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<i>WSE</i>	5	2	7	4	7	8	9	12/28/93	Costa et al.		
<i>↑</i>	5	2	7	6	8	5	2	1/4/94	Callander et al.		
	5	2	8	2	2	0	1	1/25/94	Frank et al.		
	5	2	9	7	2	6	5	3/22/94	Frank et al.		
	5	2	9	7	2	6	9	3/22/94	Donaldson et al.		
	5	3	0	3	3	6	2	4/12/94	Butts, Jr. et al.		
	5	3	0	7	5	0	6	4/26/94	Colwell et al.		
	5	3	1	3	6	4	7	5/17/94	Kaufman et al.		
	5	3	3	5	3	2	5	8/2/94	Frank et al.		
	5	3	4	1	4	8	3	8/23/94	Frank et al.		
	5	3	9	0	3	1	6	2/14/95	Cramer et al.		
	5	3	9	0	3	2	6	2/14/95	Shah		
	5	3	9	4	5	5	5	2/28/95	Hunter et al.		
	5	4	0	8	6	4	9	4/18/95	Beshears et al.		
	5	4	2	3	0	3	7	6/6/95	Hvasshovd		
	5	4	5	2	4	4	7	9/19/95	Nelson et al.		
	5	4	8	3	6	5	2	1/9/96	Sudama et al.		
	5	4	8	5	4	5	5	1/16/96	Dobbins et al.		
<i>WSE</i>	5	4	9	0	2	7	2	2/6/96	Mathias et al.		

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Wen-Jian Li

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<i>cut</i>	5	4	9	3	7	2	8	2/20/96	Solton et al.		
<i>↑</i>	5	5	1	3	3	1	4	4/30/96	Kandasamy et al.		
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	5	5	2	2	0	4	5	5/28/96	Sandberg		
	5	5	5	1	0	3	5	8/27/96	Arnold et al.		
	5	5	6	0	0	2	7	9/24/96	Watson et al.		
	5	5	6	0	0	2	9	9/24/96	Papadopoulos		
	5	5	8	8	1	4	7	12/24/96	Neeman et al.		
	5	5	9	2	6	2	5	1/7/97	Sandberg		
	5	6	0	8	9	0	3	3/4/97	Prasad et al.		
	5	6	1	3	0	7	9	3/18/97	Debique		
	5	6	1	7	5	3	7	4/1/97	Yamada et al.		
	5	6	3	4	0	0	4	5/27/97	Gopinath et al.		
	5	6	4	9	1	9	4	7/15/97	Miller et al.		
	5	6	7	5	7	8	7	10/7/97	Miller et al.		
	5	6	8	7	3	0	8	11/11/97	Jardine et al.		
<i>✓</i>	5	6	8	9	7	0	0	11/18/97	Miller et al.		
<i>cut</i>	5	6	9	2	1	8	3	11/25/97	Hapner et al.		

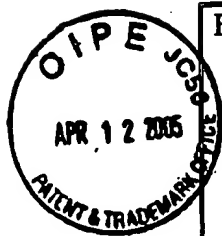
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WSE	5	6	9	2	1	9	3	11/25/97	Jagannathan et al.		
↑	5	6	9	6	9	0	0	12/9/97	Nishigaya et al.		
	5	7	0	1	4	6	2	12/23/97	Whitney et al.		
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	5	7	5	8	3	4	3	5/26/98	Vigil et al.		
	5	7	6	8	5	1	0	6/16/98	Gish		
	5	7	8	1	5	3	7	7/14/98	Ramaswami et al.		
	5	8	0	5	7	8	5	9/8/98	Dias et al.		
	5	8	0	5	7	8	6	9/8/98	Badovinatz et al.		
	5	8	1	2	5	3	3	9/22/98	Cox et al.		
	5	8	1	2	7	5	1	9/22/98	Ekrot et al.		
	5	8	1	5	7	1	0	9/29/98	Martin et al.		
	5	8	3	2	5	1	4	11/3/98	Norin et al.		
	5	8	4	8	4	1	9	12/8/98	Hapner et al.		
	5	9	3	3	8	2	6	8/3/99	Ferguson et al.		
✓	6	1	1	5	5	4	9	9/5/00	Janis et al.		
WSE	6	1	4	8	3	7	7	11/14/00	Carter et al.		

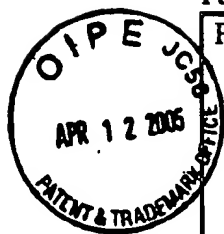
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Allen Jan L

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FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub Class	Translation	
						Yes	No
CML ↑ ↓ CML	0 661 651 A1	7/5/95	EPO			Y	
	0 288 636 A2	11/2/88	EPO			Y	
	2 257 273 A	1/6/93	GB			Y	
	96/30847	10/3/96	WO			Y	
	96/23268	8/1/96	WO			Y	
	95/25306	9/21/95	WO			Y	
	95/22111	8/17/95	WO			Y	
	95/14279	5/26/95	WO			Y	
	95/02307	1/19/95	WO			Y	

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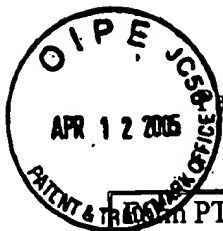
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
late	"An Argument for Simple COMA," Ashely Saulsbury et al., <i>Proceedings of the First Annual Symposium on High Performance Computer Architecture</i> , Jan. 1995, pp. 276-285		
↑	"Design of the Trucluster Multicomputer System for the Digital UNIX Environment," Wayne M. Cardoza et al., <i>Digital Technical Journal</i> , Vol. 8, No. 1 (1996) pp. 5-17		
	"Java Dynamic Class Loader," IBM Technical Disclosure Bulletin, Vol. 39, No. 11, November 1996, pgs. 107-108.		
	"SiCO: A Simple COMA Implementation," Ashely Saulsbury et al., Swedish Institute of Computer Science Technical report (undated)		
	"Software Agents," Genesereth et al., <i>Communications of the ACM</i> , July 1994, vol. 37, No. 7, pages 48-53.		
	"Support for Collaborative Design: Agents and Emergence, Edmonds et al.," <i>Communications of the ACM</i> , July 1994, vol. 37, No. 7, pages 41-47.		
	"Synapse Tightly Coupled Multiprocessors: A New Approach to Solve Old Problems," Steven J. Frank et al., <i>AFIPS National Computer Conference Proceedings</i> , July 1984, pp. 41-50		
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	Amaral et al. "A Model for Persistent Shared Memory Addressing in Distributed Systems," <i>Object Orientation in Operating Systems</i> , 1992, IEEE, pgs. 2-11.		
	Anderson et al. "Scheduler Activations: Effective Kernel Support for the User-Level Management of Parallelism," <i>Operating Systems Review (SIGOPS)</i> , Vol. 25, No. 1, January 1, 1991, pgs. 95-109.		
↓	Anderson, T., et al. "Serverless Network File Systems," <i>Operating Systems Review (SIGOPS)</i> , Vol. 29, No. 5, December 1, 1995, pgs. 109-126.		
cut	Barton-Davis et al. "Adding Scheduler Activations to Mach 3," <i>Proceedings of the USENIX Mach III Symposium</i> , Santa FE, NM, USA, April 19-21, 1993, pgs. 119-136.		
Examiner	Date Considered		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
cut	Carter, J., et al. "PPFS: A High Performance Portable Parallel File System," Proceeding of the International Conference on Supercomputing, Barcelona, July 3-7, 1995, pgs. 385-394.		
↑	Carter, J.B. et al., "Distributed Operating Systems Based on a Protected Global Virtual Address Space," In the Proceedings of the Third Workshop on Workstation Operating Systems (WWOS) (May, 1992)		
	Carter, J.B. et al., "FLEX: A Tool for Building Efficient and Flexible Systems," In the Proceedings of the Fourth Workshop on Workstation Operating Systems (WWOS) (Oct., 1993).		
	Carter, J.B. et al., "Optimistic Implementation of Bulk Data Transfer Protocols," In Proceedings of the 1989 Signetrix Conference, pp. 61-69 (May, 1989)		
	Carter, J.B., "Design of the Munin Distributed Shared Memory System," To appear in the special issue of the Journal of Parallel and Distributed Computing on distributed shared memory (1995)		
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	Carter, J.B., et al., "Techniques for Reducing Consistency-Related Communication in Distributed Shared Memory Systems," <u>ACM Transactions on Computer Systems</u> , pp. 205-243, Vol. 13, No. 3 (August, 1995)		
✓	Dryden, P. "Users throwing cache at networks delays" Computerworld, October 7, 1996, http://www.computerworld.com/search/AT-html/9610/961007SL41cacheb.html , originally printed on May 22, 1997, reprinted on 11/18/98.		
cut	Enterprise Networking Web Page, http://www.lanache.com/enad1.html , printed on May 20, 1997.		
	European Patent Office, European Search Report, Application No. EP 97 30 9471, mailed on April 23, 1998, 3 pages.		
cut	Henskens et al. "Course and Fine Grain Objects in a Distributed Persistent Store," <i>Object Orientation in Operating Systems</i> , 1993, IEEE, pgs. 116-123.		
cut	Irelandbusch et al. "Towards a Resilient Shared Memory Concept for Distributed Persistent Object Systems," <i>Proceeding of the 28th Annual Hawaii Intl. Conference on System Sciences</i> , 1995, IEEE, pgs. 675-684.		
Examiner	<i>Alan J. L.</i>	Date Considered	<i>6/8/05</i>
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uare	Koppe C. "Sleeping Threads: A Kernel Mechanism for Support of Efficient User Level Threads," <i>Proceedings of Seventh IASTED-ISMM International Conference on Parallel and Distribution Computing and Systems</i> , Washington, DC, USA, October 19-21, 1995, pgs. 11-15.		
↑	Lea et al. "COOL: System Support for Distributed Programming," <i>Communications of the ACM</i> , Vol. 36, No. 9, pgs. 37-46.		
	Lee, E., et al. "Petal: Distributed Virtual Disks," 7 th International Conference on Architectural Support for Programming Languages and Operation Systems, Cambridge, MA, October 1-5, 1996, pgs. 84-92.		
	Li, Kai, "Shared Virtual Memory on Loosely Coupled Multiprocessors," Yale University, Department of Computer Science, (Sept, 1986).		
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	Measurement Techniques Inc. Web Page, http://www.lancache.com/slc.html , printed on May 20, 1997.		
	Neal, D. "The Harvest Object Cache in New Zealand," <i>Computer Networks and ISDN Systems</i> , Vol. 11, No. 28, May 1996, pgs. 1415-1430.		
	Network Appliance, Inc. Web Page, http://www.netapp.com/news/level3b/news_rel_970421.html , printed on May 22, 1997.		
	Network Appliance, Inc. Web Page, http://www.netapp.com/products/level3/netcache/datasheet.html , printed on May 22, 1997.		
	Network Appliance, Inc. Web Page, http://www.netapp.com/products/level3/webfiler.html , printed on May 22, 1997.		
✓	Network Appliance, Inc. Web page, http://www.netapp.com/products/level3/nfs.html , printed on May 22, 1997.		
uare	Network Appliance, Inc. Web page, http://www.netapp.com/products/level3/ontap.html , printed on May 22, 1997.		
	Network Appliance, Inc. Web Page, http://www.netapp.com/products/level3/windows.html, printed on May 22, 1997.		
uare	Ng, T. "The Design and Implementation of a Reliable Distributed Operating System - ROSE," <i>Proceedings of the Symposium on Reliable Distributed Systems</i> , Huntsville, October 9-11, 1990, pgs. 2-11.		
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Alan-Jai L.		6/8/05	
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<i>WAE</i>	Patent Cooperation Treaty International Search Report, International Application No. PCT/US 97/21457, mailed on April 23, 1998, 4 pages.		
↑	Patent Cooperation Treaty International Search Report, International Application No. PCT/US 97/21733, mailed on April 23, 1998, 3 pages.		
	Patent Cooperation Treaty International Search Report, International Application No. PCT/US 97/21734, mailed on April 23, 1998, 4 pages.		
	Patent Cooperation Treaty, International Search Report, International Application No. PCT/US 97/21458, mailed on April 23, 1998, 3 pages.		
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	Raghavan, G. "A Domain Model of WWW Browsers," Proceeding of Southeastcon, Bringing Together Education, Science and Technology, Tampa, April 11-14, 1996, pgs. 436-439.		
	Relay Web Page, http://www.relay.com/product/gold.html , printed on May 22, 1997.		
	Relay Web Page, http://www.relay.com/product/otg.html , printed on May 22, 1997.		
↓	Sequel Technology Web Page, http://www.sequeltech.com/product/netPIM/prodinfo.html , printed on May 22, 1997.		
<i>WAE</i>	Stac, Inc. Web Page, http://www.stac.com/news/pressrel/pr-legatoagreement.html , printed on June 13, 1998.		
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ufl	Tricord Systems, Inc. Web page, http://www.tricord.com/2/10/10-3-96.html , printed on May 22, 1997.
↑	Wilson, Andrew W., "Hierachical Cache/Bus Architecture for Shared Memory Multiprocessors," ACM, pp. 244-252 (1987).
	Wilson, Andrew W., "Organization and Statistical Simulation of Hierarchical Multiprocessors," UMI Dissertation Information Service (1985)
	Yeung, D., et al. "MGS" A Multigrain Shared Memory System," Computer Architecture News, Vol. 24, No. 2, May 1, 1996, pgs. 44-45.
	mod_dav: a DAV module for Apache, web page, http://www.webdav.org/mod_dav/mod_dav-1.0.3-1.3.6 , printed on April 12, 2005.
	US-2002/0133494, 09/2002, Goedken.
↓	Slein et al., "RFC 2291", February, 1998.
cutl	Goland et al. "RFC 2518", February 1999

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